

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2004/050378

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02B13/075

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 555 603 A (AOYAMA ET AL) 26 November 1985 (1985-11-26) column 2, line 60 - column 3, line 55; figures -----	1-9
X	DE 42 43 046 A1 (SIEMENS AG, 80333 MUENCHEN; SIEMENS AG, 80333 MUENCHEN, DE; SIEMENS AG) 30 June 1994 (1994-06-30) column 2, line 29 - line 58 -----	1-3
A	EP 1 020 970 A (MITSUBISHI DENKI KABUSHIKI KAISHA) 19 July 2000 (2000-07-19) figure 21 -----	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

10/02/2005

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Information on patent family members

International Application No

PCT/FR2004/050378

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4555603	A	26-11-1985	JP 1684620 C	31-07-1992
			JP 3040460 B	19-06-1991
			JP 59020928 A	02-02-1984
			CA 1216020 A1	30-12-1986
			DE 3374623 D1	23-12-1987
			EP 0100510 A2	15-02-1984
			KR 9000533 B1	31-01-1990
DE 4243046	A1	30-06-1994	NONE	
EP 1020970	A	19-07-2000	AU 9186198 A	23-04-1999
			EP 1020970 A1	19-07-2000
			CN 1271471 T	25-10-2000
			WO 9917412 A1	08-04-1999
			TW 385462 B	21-03-2000

